

Fig. 1

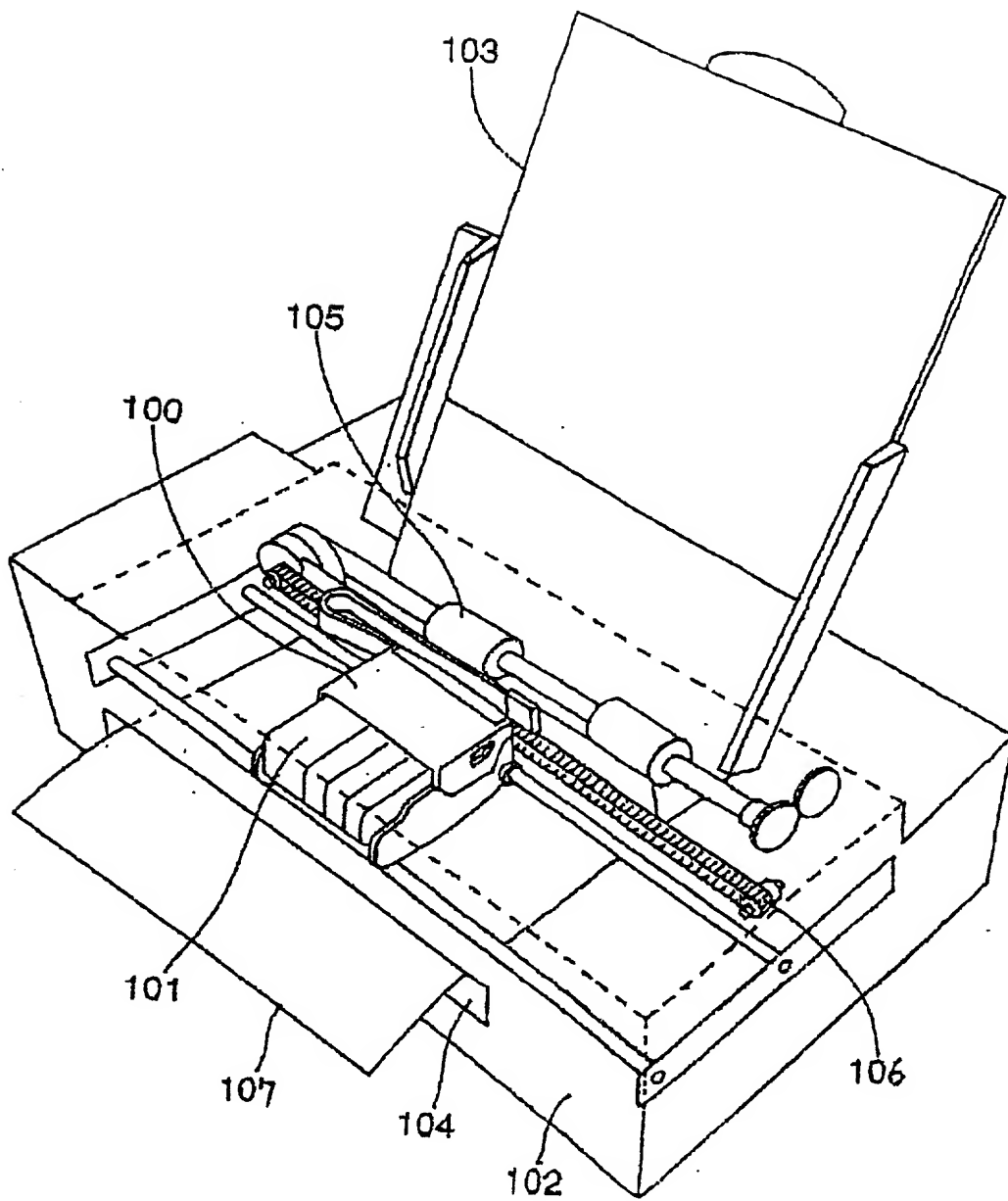


Fig. 2

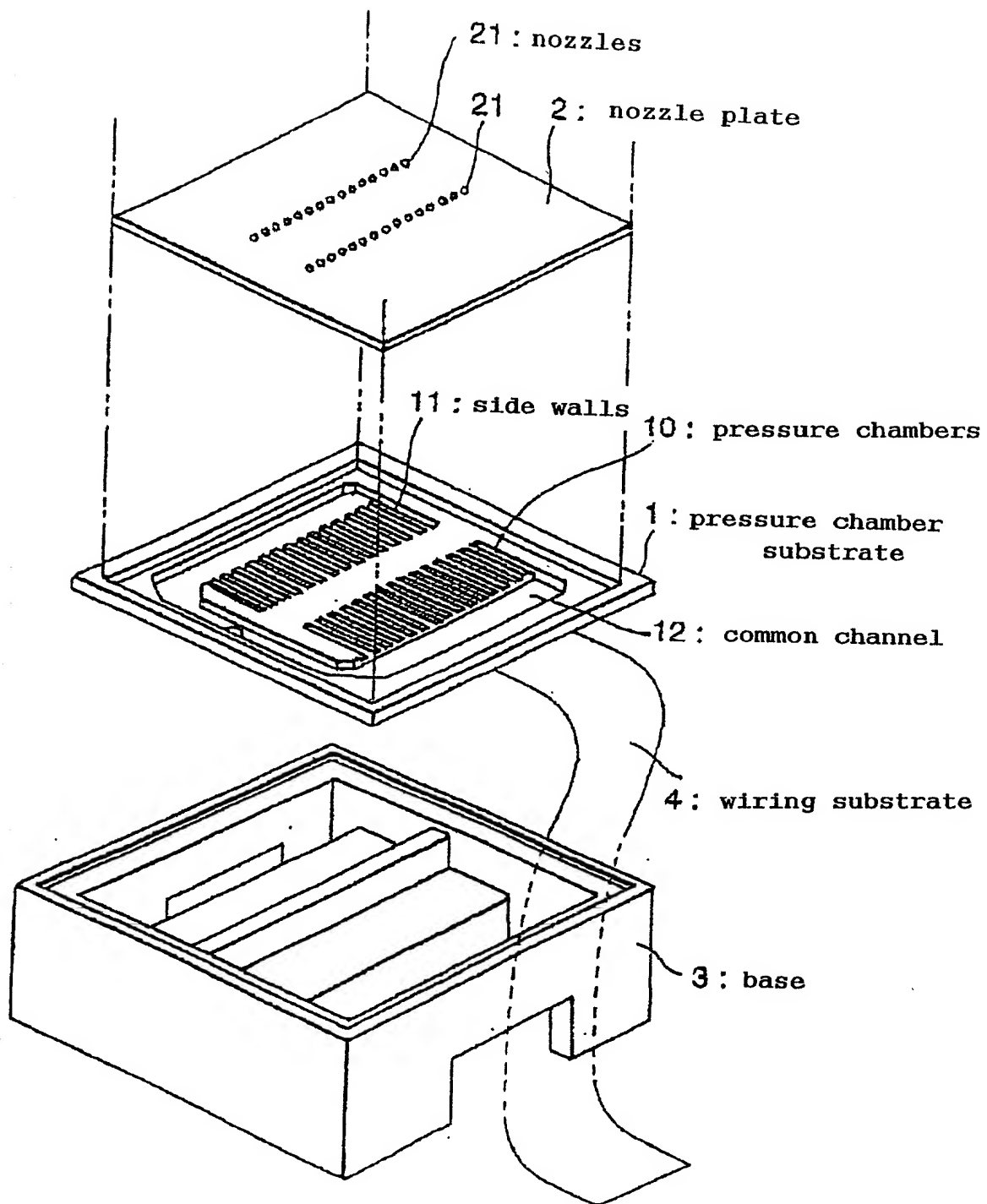
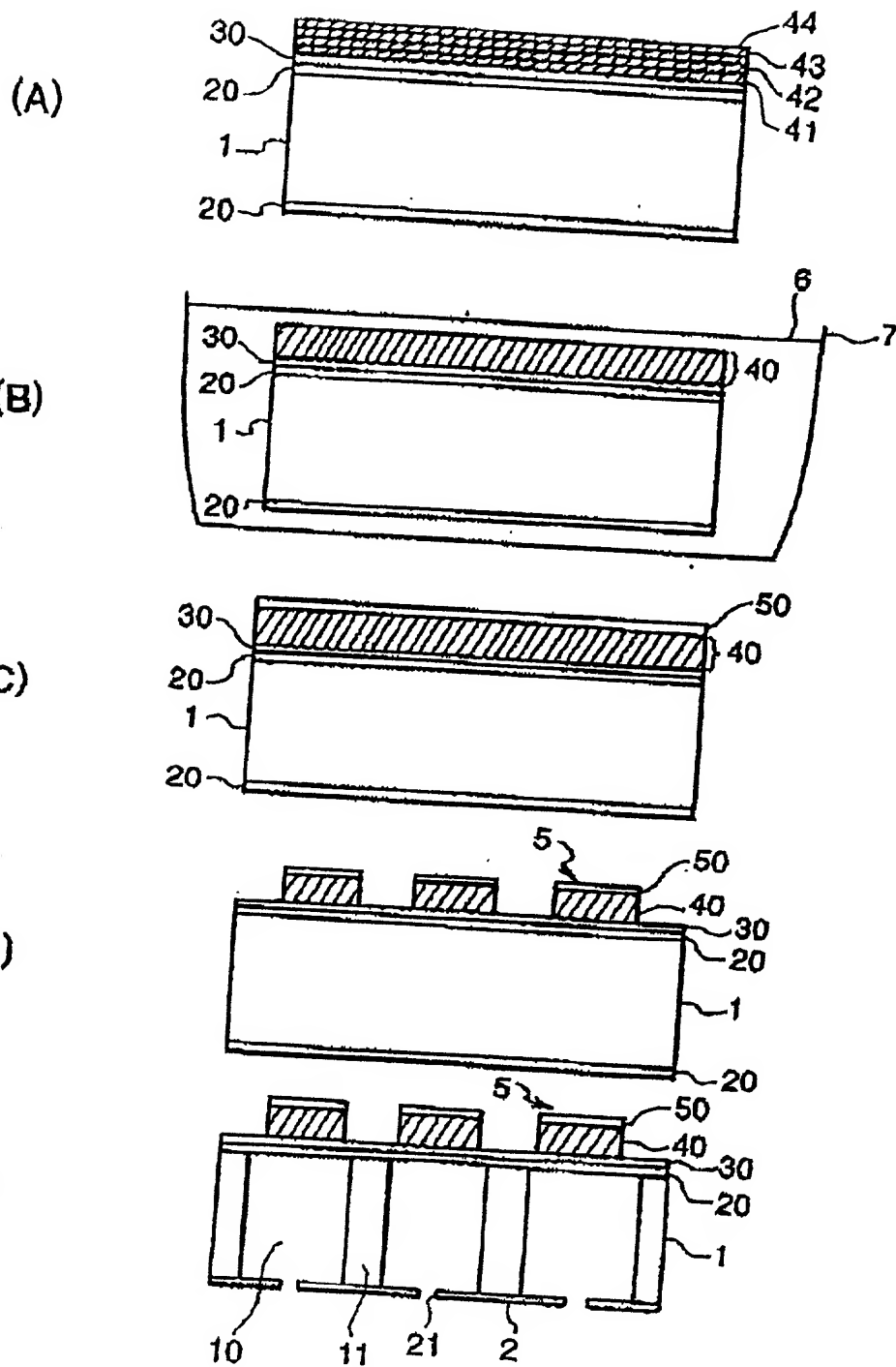


Fig. 3



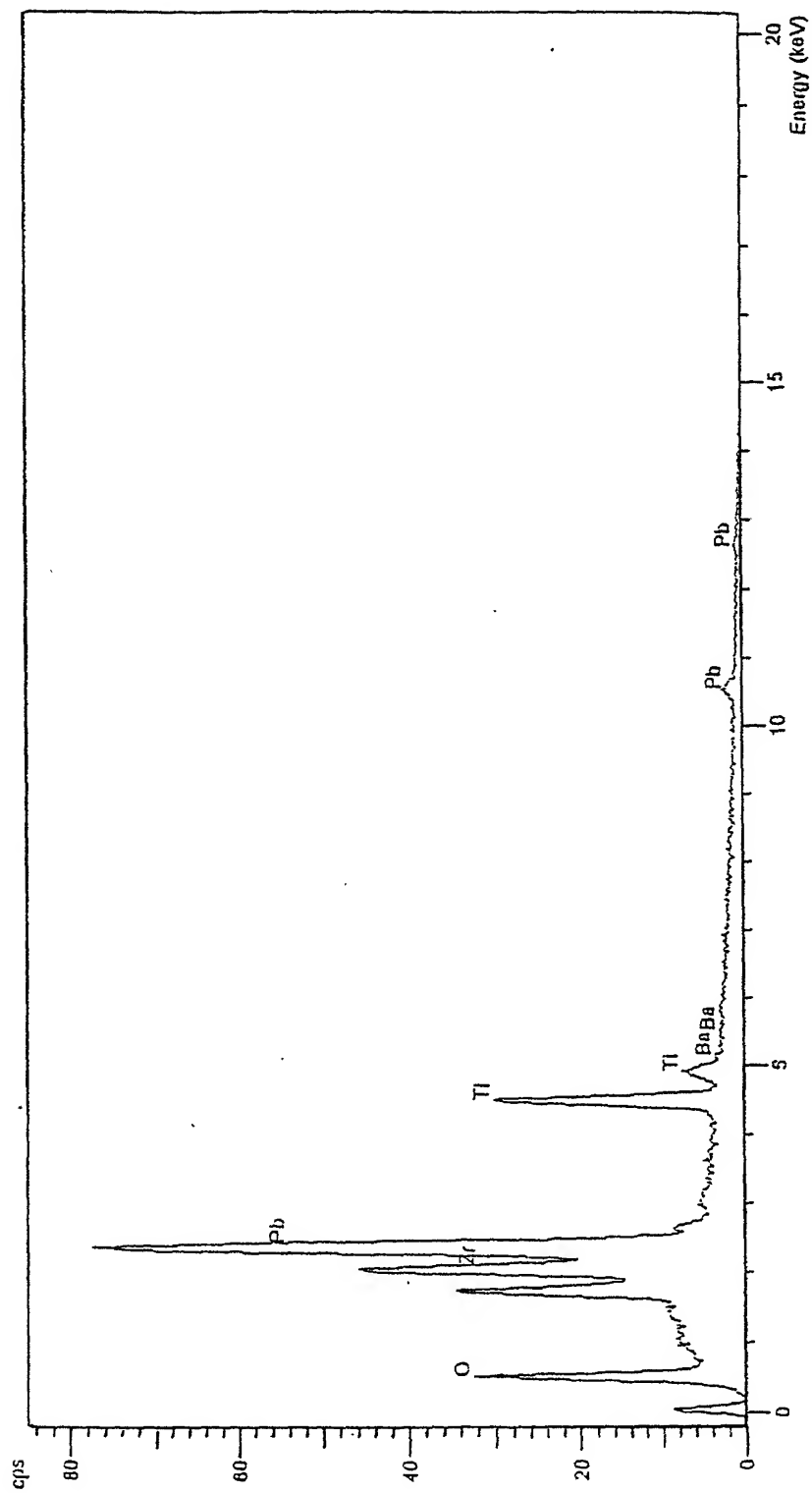


Fig. 4

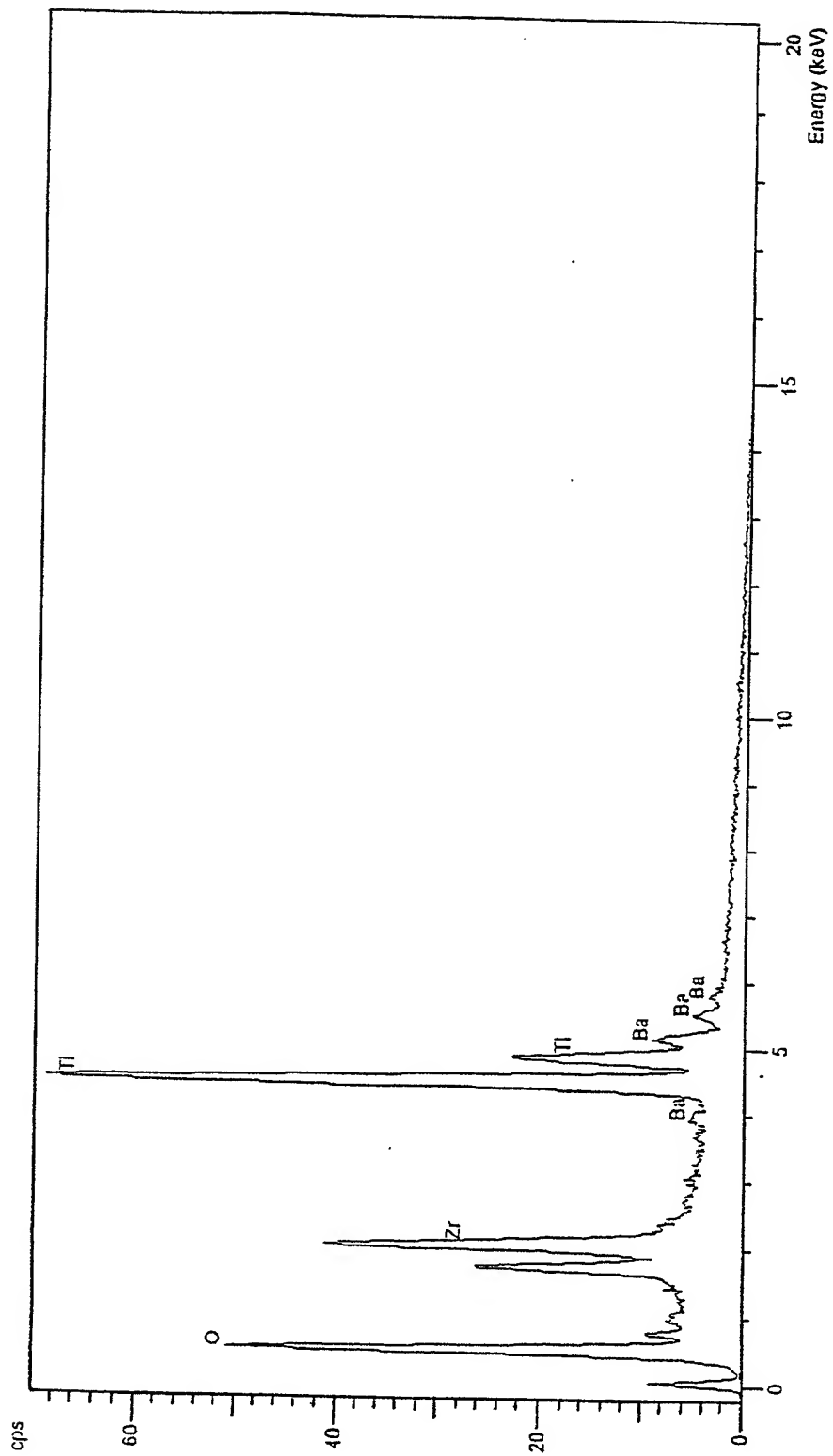


Fig. 5

9. 67.4

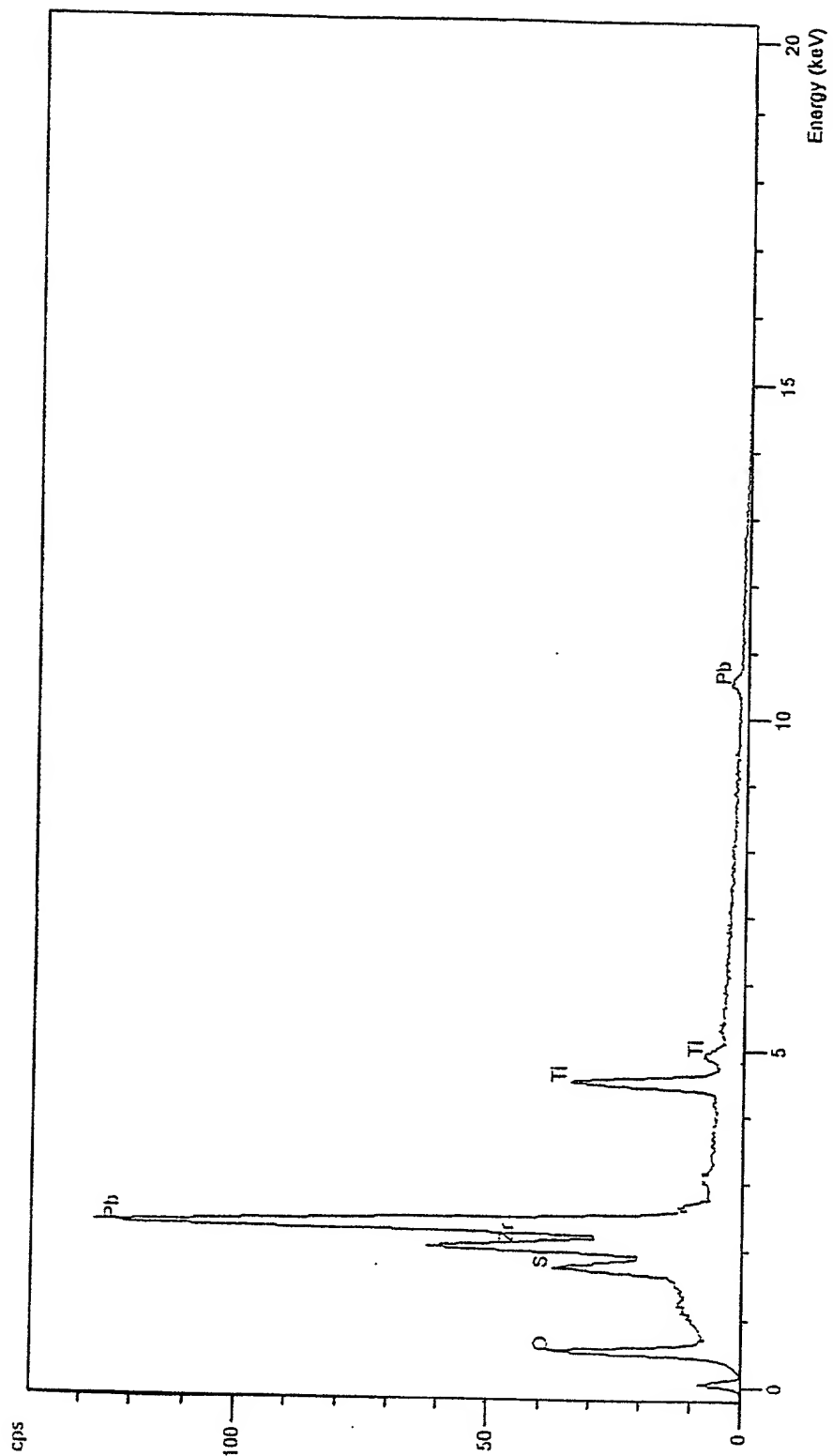
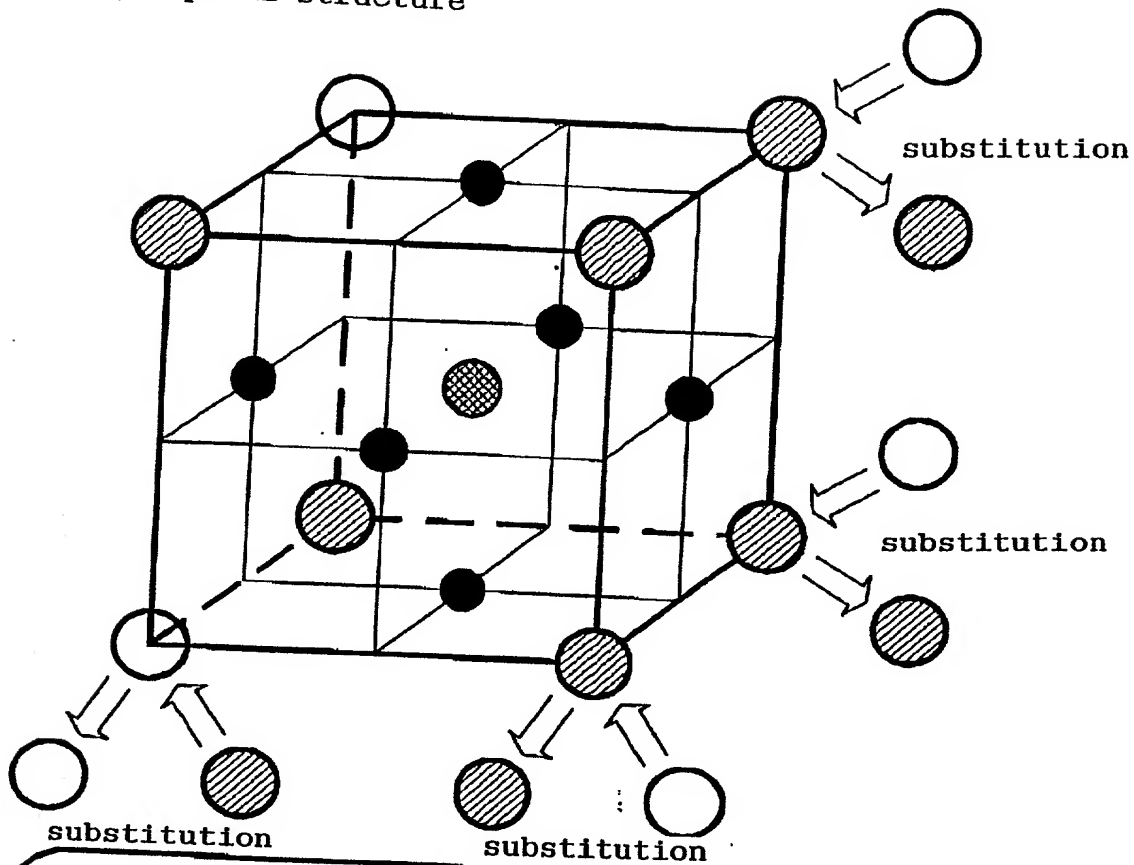


Fig. 7

ABO₃ crystal structure







Element :  (eg, Pb) or  (eg, Ba, Sr, La, Ca)
 Element :  (eg, Zr, Ti)
 Element :  (eg, O)

Fig. 8

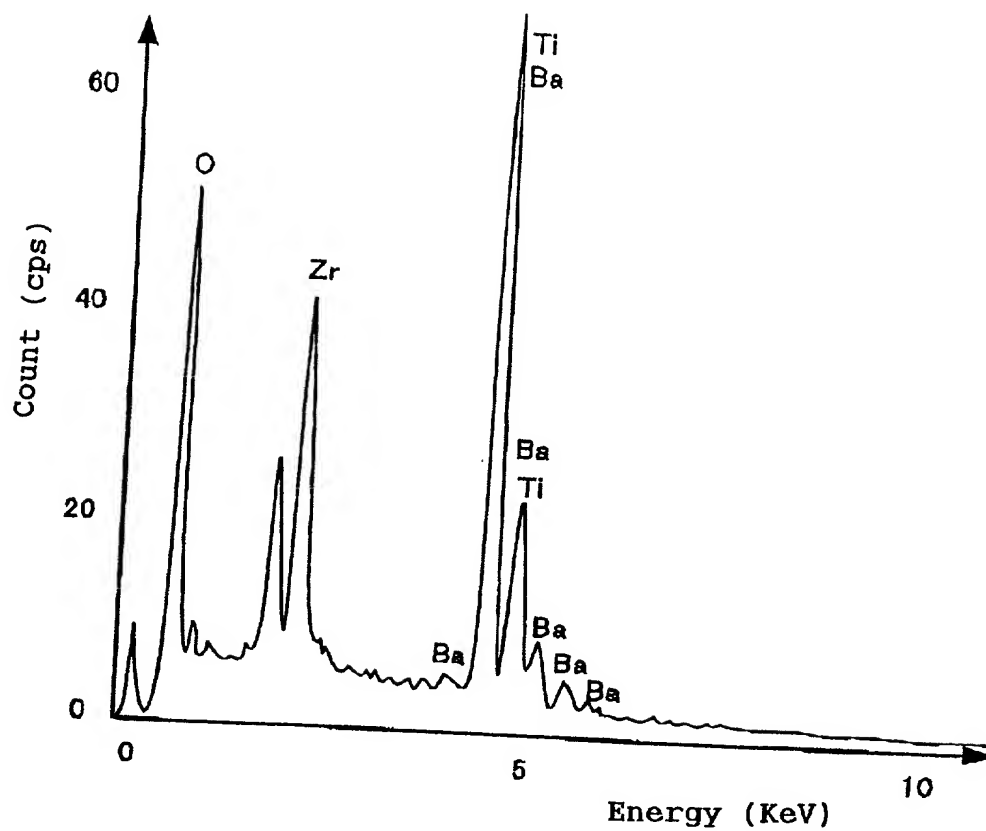


Fig. 9

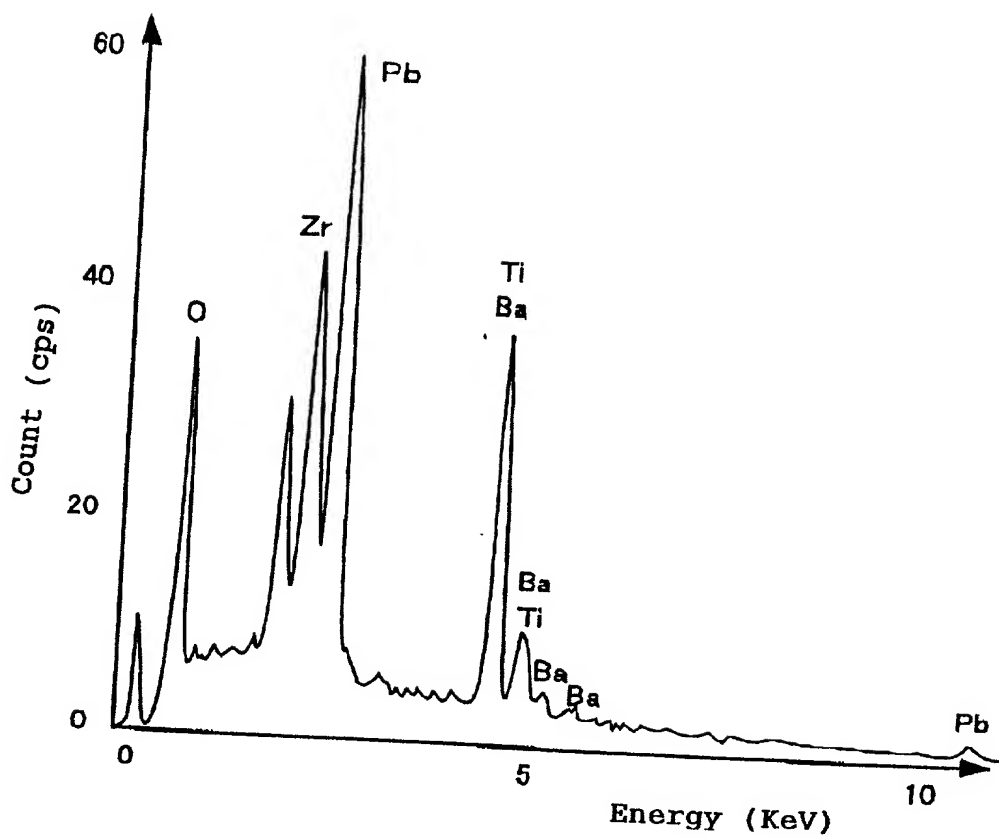


Fig. 10

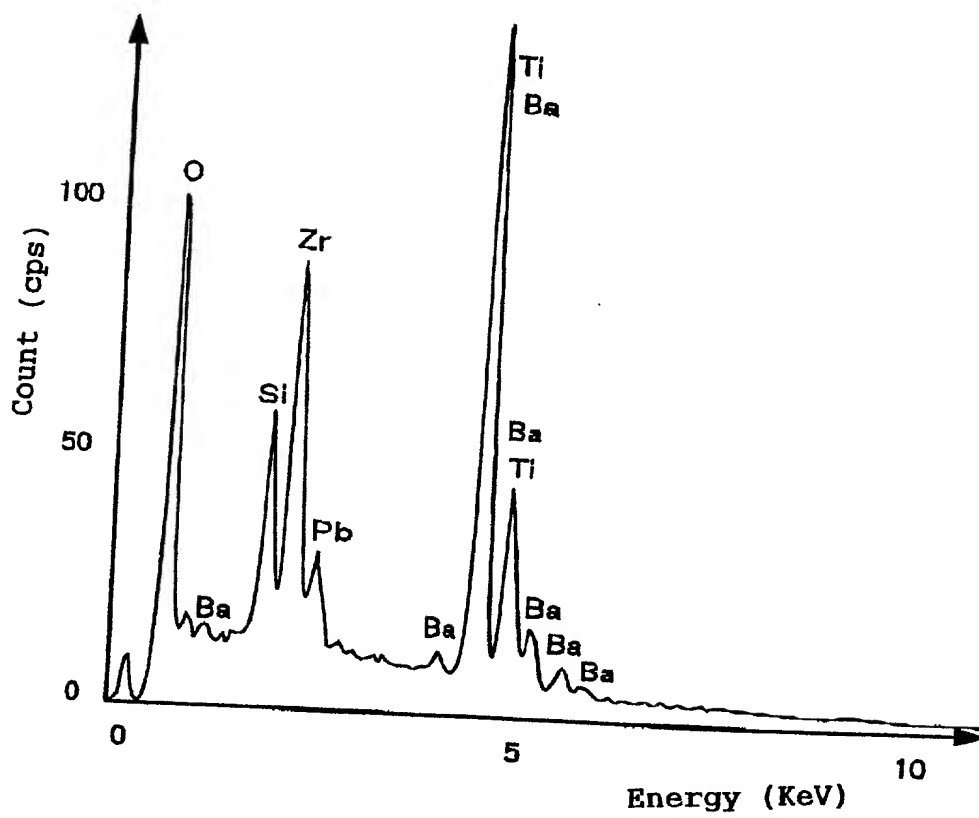


Fig. 11

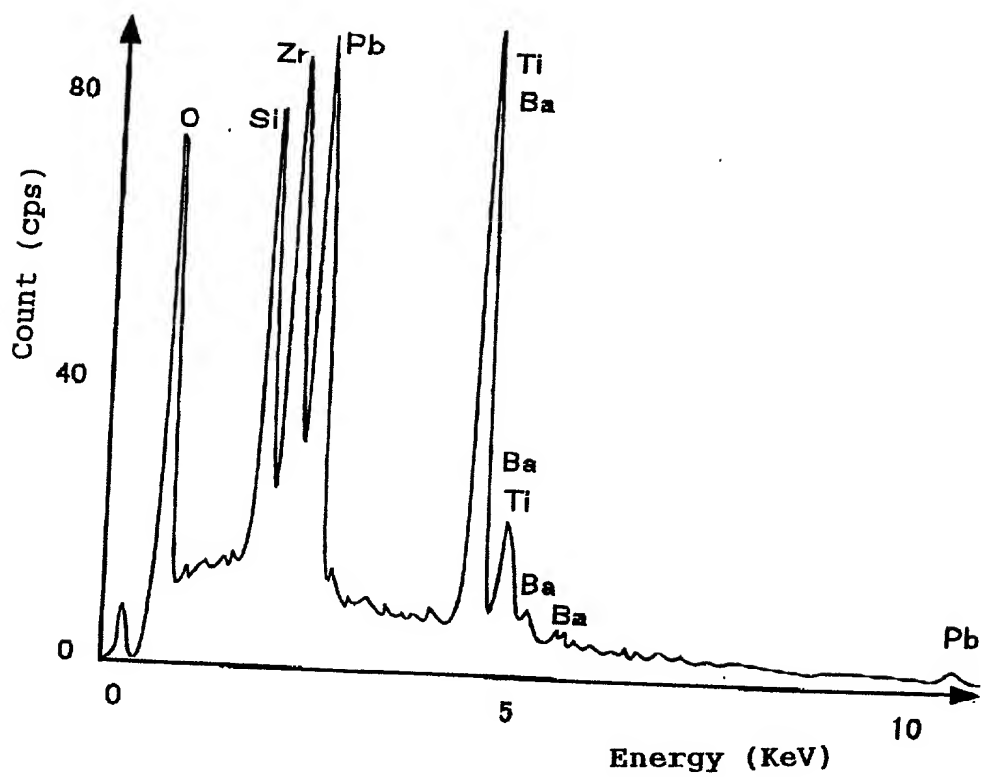


Fig. 12

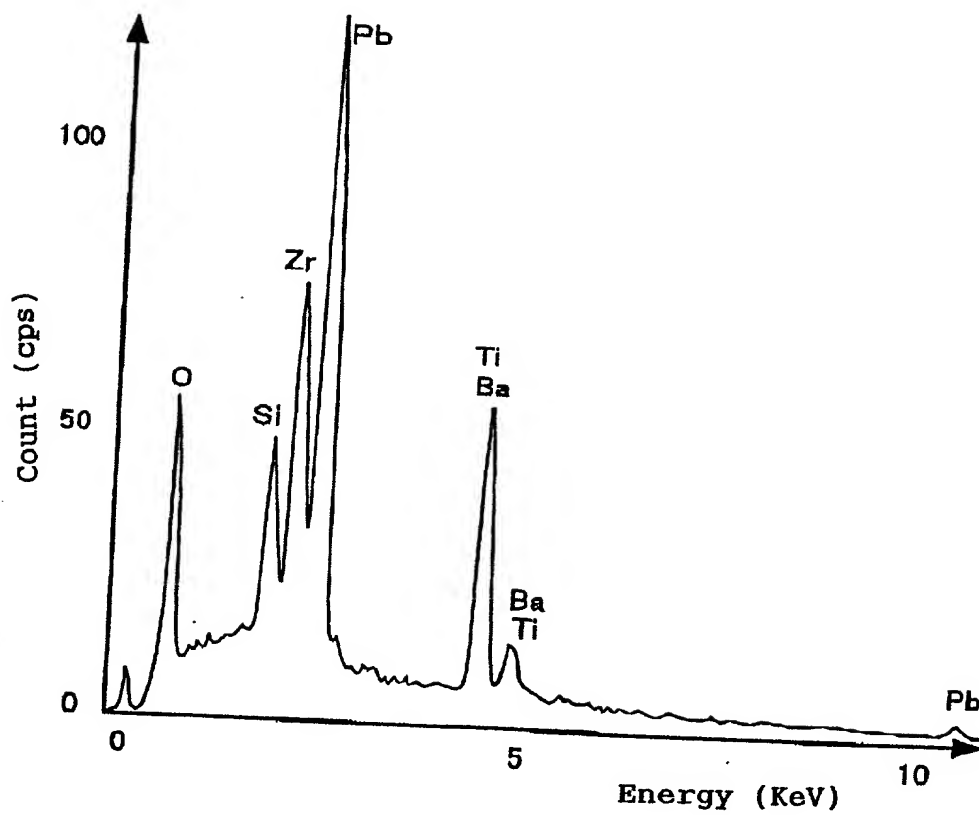


Fig. 13

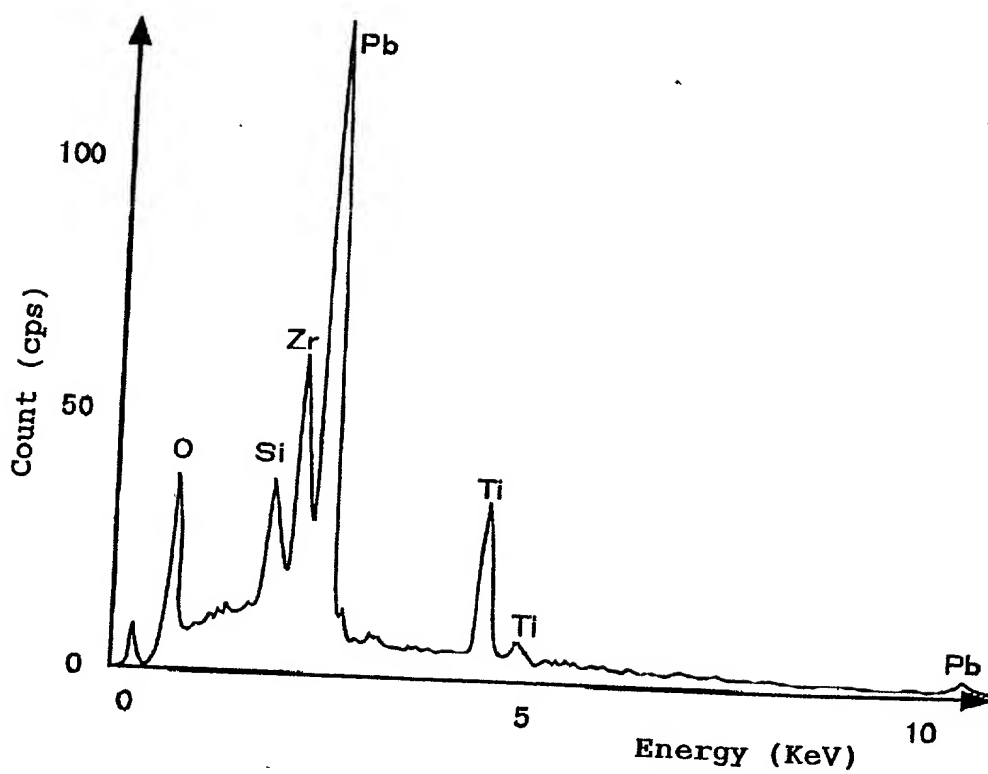


Fig. 14

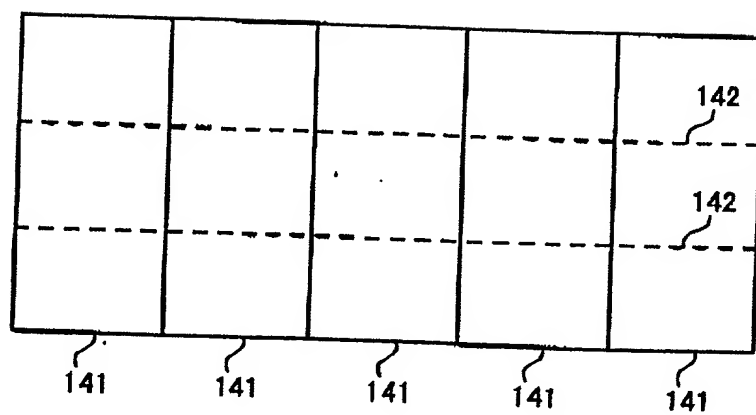
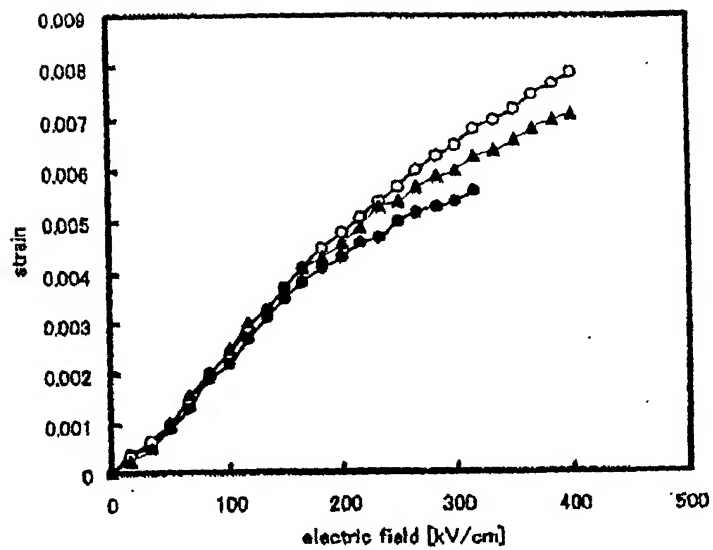
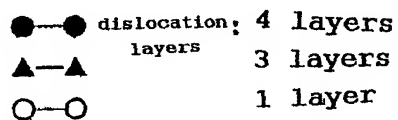


Fig. 15



Electric field strength dependence of strain



Note: Ultimate strain indicates the strain limit at which the film breaks.